

High Magnetic Field Equipment Specific Program Protocol

EHS Procedure EHS-RAD-20.4, Rev. 0

Effective Date 3/1/16

EXAMPLE Magnetic Field - Equipment Specific Safety Protocol

Magnetic Field Equipment Information		EHS Equipment ID #: MFE-	
NIH Property No.:		Building:	Room:
Equipment Manufacturer:		Magnet Manufacturer:	
Equipment Model: S/N:		Magnet Model:	S/N:
Responsible Person:		Location:	Contact No.:
Hazard – Magnetic Field		Safety Control	
Magnetic interference with medical implants, pacemakers, cochlear implants, insulin pumps, aneurism clips etc.	<ul style="list-style-type: none">• Observe and adhere to the 5gauss line.••		
Kinetic acceleration of ferrous objects.	<ul style="list-style-type: none">• Maintain ferrous materials outside of the 5g line• Remove any ferrous materials i.e. jewelry, watches, etc.•		
Damage to credit cards, computer disks	<ul style="list-style-type: none">• Maintain credit cards, watches, magnetic tape materials away from the MRI lab. Damage can occur at 10g.		
Notes:			
Hazard – Cryogenic Liquids		Safety Control	
Eye injury	<ul style="list-style-type: none">• Protective face shield shall be used when handling cryogenic liquids.		
Skin burn	<ul style="list-style-type: none">• Appropriate gloves and protective clothing shall be used when handling cryogenic liquids.• Point relief valves away from the body when transporting cryogen tanks.		
Back injury	<ul style="list-style-type: none">• Use an appropriate handcart to transport cryogen tanks.• Secure tank to hand cart.		
Atmospheric hazard	<ul style="list-style-type: none">• Ensure that oxygen deficiency monitors are functioning.• Leave room immediately if alarm sounds, warn others.• Immediately report any discrepancies to EHS 301.846.1451.		
Notes:			
Helium: Liquid Nitrogen:			
Hazard – Other / Ladder Use		Safety Control	